

Mr. Harry R. Lowe  
Nucor Building Systems  
P.O. Box 70  
Waterloo, Indiana 46793

Re: **033-11936**  
Third Administrative Amendment to  
**FESOP 033-5452-00035**

Dear Mr. Lowe:

Nucor Building Systems was issued a Federally Enforceable State Operating Permit (FESOP) on February 13, 1997, for a prefabricated metal building and components assembly and coating plant. A letter requesting changes to this permit was received on February 25, 2000. Pursuant to the provisions of 326 IAC 2-8-10, the requested changes are not environmentally significant (environmentally significant means no change in emissions above the exemption levels under 326 IAC 2-1), therefore, the permit is hereby administratively amended as follows:

1. The source requested to change the fixed monthly VOC limit to a twelve (12) consecutive month period limit, rolled on a monthly basis. The total emissions remain the same.  
 $\text{VOC} = 8.18 \text{ tons per month} \times 12 \text{ months} = 98.16 \text{ tons per twelve consecutive month period.}$

Condition D.1.1 of the FESOP is revised to read as shown below.

**D.1.1 Volatile Organic Compound [326 IAC 8-2-9] [326 IAC 2-8]**

- (a) Pursuant to 326 IAC 8-2-9 (Miscellaneous Metal Coating Operations), and CP#033-2622-00035, issued on June 9, 1993, the volatile organic compound (VOC) content of coating applied to the metal pipe shall be limited to 3.5 pounds of VOC per gallon of coating less water, for air dried or forced warm air dried coatings.
  - (b) The total volatile organic compounds (VOC) delivered to the applicators of the three (3) painting facilities (ID-C, ID-C1, and ID-D) and the flange brace flowcoater, including clean-up solvents, shall not exceed ~~8.18~~ **98.16 tons per month on a fixed monthly basis twelve (12) consecutive month period, rolled on a monthly basis**. Therefore, the requirements of 326 IAC 2-7 do not apply.
2. The source requested to change the fixed monthly HAP limits to twelve (12) consecutive month period limits, rolled on a monthly basis. The total emissions remain the same.

$\text{Single HAP} = 0.75 \text{ tons per month} \times 12 \text{ months} = 9 \text{ tons per twelve consecutive month period.}$

$\text{Combination of HAPs} = 2.0 \text{ tons per month} \times 12 \text{ months} = 24 \text{ tons per twelve consecutive month period.}$

Condition D.1.1 of the FESOP is revised to read as shown below.

D.1.3 Hazardous Air Pollutants [326 IAC 2-8]

- (a) The total amount of any single hazardous air pollutant (HAP) delivered to the applicators of the three painting facilities (ID-C, ID-C1, and ID-D) and the flange brace flowcoater, including clean-up solvents, shall be limited to ~~0.75~~ **9.0** tons per ~~month on a fixed monthly basis~~ **twelve (12) consecutive month period, rolled on a monthly basis.**
- (b) The total amount of any combination of HAPs delivered to the applicators of the three painting facilities (ID-C, ID-C1, and ID-D) and the flange brace flowcoater, including clean-up solvents, shall be limited to ~~2.0~~ **24.0** tons per ~~month on a fixed monthly basis~~ **twelve (12) consecutive month period, rolled on a monthly basis.**

Therefore, the requirements of 326 IAC 2-7 do not apply.

2. The quarterly report forms are revised as shown on the following pages.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR MANAGEMENT  
COMPLIANCE DATA SECTION**

**FESOP Quarterly Report**

Source Name: Nucor Building Systems  
Source Address: 305 Industrial Parkway, Waterloo, Indiana 46793  
FESOP No.: F033-5452-00035  
Facility: Built Up Line Paint Booth (ID-C), Built Up Line Auxiliary Paint Booth (ID-C1), & Purlin Line Vac-u-coater with Separate Rod Coater and Small Parts Coater (ID-D), and one (1) flange brace flowcoater.  
Parameter: VOC delivered to applicators and clean-up solvents  
Limit: ~~8.18~~ **98.16** tons VOC per month **twelve (12) consecutive month period, rolled on a monthly basis.**

YEAR: \_\_\_\_\_

Month	Column 1	Column 2	Column 1 + Column 2
	Total VOC Usage This Month (tons)	Total VOC Usage Previous 11 Months (total)	12 Month Total VOC Usage

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.  
Deviation has been reported on: \_\_\_\_\_

Submitted by: \_\_\_\_\_  
Title/Position: \_\_\_\_\_  
Signature: \_\_\_\_\_  
Date: \_\_\_\_\_  
Phone: \_\_\_\_\_

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR MANAGEMENT  
COMPLIANCE DATA SECTION**

**FESOP Quarterly Report**

Source Name: Nucor Building Systems  
Source Address: 305 Industrial Parkway, Waterloo, Indiana 46793  
FESOP No.: F033-5452-00035  
Facility: Built Up Line Paint Booth (ID-C), Built Up Line Auxiliary Paint Booth (ID-C1), & Purlin Line Vac-u-coater with Separate Rod Coater and Small Parts Coater (ID-D), and one (1) flange brace flowcoater.  
Parameter: HAPs delivered to applicators and clean-up solvents  
Limit: ~~0.75~~ **9.0** tons any single HAP per month **twelve (12) consecutive month period, rolled on a monthly basis**, and ~~2.0~~ **24.0** tons all HAPs combined per month **twelve (12) consecutive month period, rolled on a monthly basis**.

YEAR: \_\_\_\_\_

Month	Single HAP Usage This Month (tons)	Single HAP Usage Previous 11 months (tons)	12 Month Total Single HAP Usage (tons)	Combination HAPs Usage this month (tons)	Combination HAPs Usage Previous 11 months (tons)	12 Month Total Combination HAPs Usage (tons)

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.  
Deviation has been reported on: \_\_\_\_\_

Submitted by: \_\_\_\_\_  
Title/Position: \_\_\_\_\_  
Signature: \_\_\_\_\_  
Date: \_\_\_\_\_  
Phone: \_\_\_\_\_

All other conditions of the permit shall remain unchanged and in effect. Please attach a copy of this amendment and the following revised permit pages to the front of the original permit.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5.  
If you have any questions on this matter, please contact Trish Earls, at (973) 575-2555, ext. 3219, or  
call (800) 451-6027, press 0 and ask for extension 3-6878.

Sincerely,

Paul Dubenetzky, Chief  
Permits Branch  
Office of Air Management

Attachments

TE/EVP

cc: File - Dekalb County  
U.S. EPA, Region V  
Dekalb County Health Department  
Air Compliance Section Inspector Doyle Houser  
Compliance Data Section - Karen Nowak  
Administrative and Development - Janet Mobley  
Technical Support and Modeling - Michelle Boner

# **FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP) OFFICE OF AIR MANAGEMENT**

**Nucor Building Systems  
305 Industrial Parkway  
Waterloo, Indiana 46793**

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-8 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Operation Permit No.: F033-5452-00035	
Issued by: Paul Dubenetzky, Branch Chief Office of Air Management	Issuance Date: February 13, 1997
First Administrative Amendment: AAF033-9722	Pages Affected: 16, 21, 27 and 28
Issued by: Paul Dubenetzky, Branch Chief Office of Air Management	Issuance Date: May 29, 1998
Second Administrative Amendment: 033-11295	Pages Affected: 2, 4-5, 20-23, 27-28
Issued by: Paul Dubenetzky, Branch Chief Office of Air Management	Issuance Date: November 4, 1999

Third Administrative Amendment: 033-11936	Pages Affected: 21, 27-28
Issued by: Paul Dubenetzky, Branch Chief Office of Air Management	Issuance Date:

## SECTION D.1

## FACILITY OPERATION CONDITIONS

### Facility Description [326 IAC 2-8-4(10)]:

- (a) One (1) Built Up Line Paint Booth rated at 9.1 gallons liquid paint per hour utilizing an one (1) gun low pressure air atomization spray application system all identified as ID-C, with particulate matter as over spray controlled by dry filter exhausting at two (2) stacks identified as 1A and 1B;
- (b) One (1) Built Up Line Auxiliary Paint Booth rated at 9.1 gallons liquid paint per hour utilizing an one (1) gun low pressure air atomization spray application system all identified as ID-C1, with particulate matter as over spray controlled by dry filter exhausting at two (2) stacks identified as 4A and 4B;
- (c) one (1) Purlin Line Vac-u-coater rated at 9.5 gallons liquid paint per hour utilizing one (1) flowcoat paint application method and identified as ID-D, exhausting at one (1) stack identified as 2, with separate one (1) rod flowcoater and one (1) small parts/plates dip coater; and
- (d) one (1) flange brace flowcoater, coating a maximum of seven (7) tons of steel per week, also exhausting through stack 2.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

### Emission Limitations and Standards [326 IAC 2-8-4(1)]

#### D.1.1 Volatile Organic Compound [326 IAC 8-2-9] [326 IAC 2-8]

- (a) Pursuant to 326 IAC 8-2-9 (Miscellaneous Metal Coating Operations), and CP#033-2622-00035, issued on June 9, 1993, the volatile organic compound (VOC) content of coating applied to the metal pipe shall be limited to 3.5 pounds of VOC per gallon of coating less water, for air dried or forced warm air dried coatings.
- (b) The total volatile organic compounds (VOC) delivered to the applicators of the three (3) painting facilities (ID-C, ID-C1, and ID-D) and the flange brace flowcoater, including clean-up solvents, shall not exceed 98.16 tons per twelve (12) consecutive month period, rolled on a monthly basis. Therefore, the requirements of 326 IAC 2-7 do not apply.

#### D.1.2 Solvent Usage [326 IAC 8-2-9]

Pursuant to 326 IAC 8-2-9(f) (Miscellaneous Metal Coating Operations), solvent sprayed from the application equipment during clean up or color changes shall be directed into containers. Such containers shall be closed as soon as such solvent spraying is complete, and the waste solvent shall be disposed of in such a manner that evaporation is minimized.

#### D.1.3 Hazardous Air Pollutants [326 IAC 2-8]

- (a) The total amount of any single hazardous air pollutant (HAP) delivered to the applicators of the three painting facilities (ID-C, ID-C1, and ID-D) and the flange brace flowcoater, including clean-up solvents, shall be limited to 9.0 tons per twelve (12) consecutive month period, rolled on a monthly basis.
- (b) The total amount of any combination of HAPs delivered to the applicators of the three painting facilities (ID-C, ID-C1, and ID-D) and the flange brace flowcoater, including clean-up solvents, shall be limited to 24.0 tons per twelve (12) consecutive month period, rolled on a monthly basis.

Therefore, the requirements of 326 IAC 2-7 do not apply.



## COMPLIANCE DATA SECTION

### FESOP Quarterly Report

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FESOP No.: F033-5452-00035  
Facility: Built Up Line Paint Booth (ID-C), Built Up Line Auxiliary Paint Booth (ID-C1),  
Purlin Line Vac-u-coater with Separate Rod Coater and Small Parts Coater (ID-D), and one (1) flange brace flowcoater.  
Parameter: VOC delivered to applicators and clean-up solvents  
Limit: 98.16 tons VOC per twelve (12) consecutive month period, rolled on a monthly basis.

YEAR: \_\_\_\_\_

Month	Column 1	Column 2	Column 1 + Column 2
	Total VOC Usage This Month (tons)	Total VOC Usage Previous 11 Months (total)	12 Month Total VOC Usage

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.  
Deviation has been reported on: \_\_\_\_\_

Submitted by: \_\_\_\_\_  
Title/Position: \_\_\_\_\_  
Signature: \_\_\_\_\_  
Date: \_\_\_\_\_  
Phone: \_\_\_\_\_

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OFFICE OF AIR MANAGEMENT  
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Parameter: HAPs delivered to applicators and clean-up solvents  
Limit: 9.0 tons any single HAP per twelve (12) consecutive month period, rolled on a monthly basis, and 24.0 tons all HAPs combined per twelve (12) consecutive month period, rolled on a monthly basis.

YEAR: \_\_\_\_\_

Month	Single HAP Usage This Month (tons)	Single HAP Usage Previous 11 months (tons)	12 Month Total Single HAP Usage (tons)	Combination HAPs Usage this month (tons)	Combination HAPs Usage Previous 11 months (tons)	12 Month Total Combination HAPs Usage (tons)

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.  
Deviation has been reported on: \_\_\_\_\_

Submitted by: \_\_\_\_\_  
Title/Position: \_\_\_\_\_  
Signature: \_\_\_\_\_  
Date: \_\_\_\_\_  
Phone: \_\_\_\_\_